

Agenda for EPA CPSC Quarterly Teleconference

February 21, 2019 @ 11:00 am

EPA DCRoomEast 4349 or CPSC 5RP105

[https://global.gotomeeting.com/join/](https://global.gotomeeting.com/join/Ex. 6 Personal Privacy (PP))

You can also dial in using your phone.

United States: + [Ex. 6 Personal Privacy \(PP\)](tel:Ex. 6 Personal Privacy (PP))

Access Code: [Ex. 6 Personal Privacy \(PP\)](tel:Ex. 6 Personal Privacy (PP))

1. Order and Introductions (All)
2. CPSC Updates
 - Flame Retardants (Kris Hatlelid, Xinrong Chen)
 - Phthalate substitute (Eric Hooker)
 - Spray Polyurethane Foam (SPF) emission test. (CPSC, Adrienne Layton, EPA, Mark Mason)
 - Prioritization and 3D printing (Trey Thomas)
 - Nano (Joanna Matheson)
3. EPA Updates
 - Prioritization
 - Risk Evaluations
 - PBTs under Section 6(h)
 - Methylene Chloride
 - Phthalates—Manufacturer Requested Risk Evaluation
4. Follow Up/Next Steps (All)
5. Next Meeting (All)

Meeting attendee list

	CPSC		EPA	
	Invited	Attendee	Invited	Attendee
1	Chen, Xinrong	X	Parsons, Doug	X
2	Babich, Michael	X	Wormell, Lance	X
3	Thaler, Alice	X	Canavan, Sheila	
4	Ferrante, Jacqueline	X	Fehrenbacher, Cathy	
5	Pollitzer, Patricia		Wong, Eva	X
6	Keller, Shaun		Mottley, Tanya	
7	Timian, Jennifer		Symmes, Brian	
8	Boniface, Duane		Wolf, Joel	X
9	Recht, Joel		Kramek, Niva	
10	Thomas, Treye	X	Krasnic, Toni	
11	Adair, Patricia	X	Lloyd, Tyler	
12	Hatlelid, Kristina	X	Jarmul, Stephanie	X
13	Matheson, Joanna		Wen, Chen	
14	Hooker, Eric	X	Menasche, Claudia	
15	Gordon, John	X	Feustel, Ingrid	
16	Layton, Adrienne	X	Winchester, Erik	
17	Scorpio, Cheryl		Slotnick, Sue	X
18	Synnott, Stephanie	X	Wheeler, Cindy	X
19	Lee, Stephen		Mason, Mark	X
20		DiMatteo, David	Liu, Xiaoyu	X
21			Cappuccilli, Eva	
22			Leonard, Darlene	X
23			Shannon, Julie	
Total		12		10

CPSC Meeting minutes**1) Flame Retardants, Kristina Hatlelid****a. NAS Project**

1. Background: CPSC received a petition to ban OFRs in 4 types of consumer products on 7-1-2015. Staff recommended denying the petition on 5-24-2017. On 9-20-2017, Commission voted to grant the petition and convene a Chronic Hazard Advisory Panel (CHAP) to evaluate the risk of OFRs.
2. CPSC is currently working on a project by contracting with the National Academy of Sciences, "Scoping Plan to Assess the Hazards of Organohalogen Flame Retardants" <http://www8.nationalacademies.org/cp/projectview.aspx?key=49937>
3. Final report due to CPSC by early May, 2019

b. CPSC Staff Public Meeting

1. Organohalogen Flame Retardants (OFRs) in Electronic Device Casings (Enclosures) Tech-to-Tech Meeting
2. Meeting date: 9/27/2018
3. Meeting log, including participants list and presentation files:
 - CPSC website: <https://www.cpsc.gov/s3fs-public/2018-09-27%20OFRs%20in%20Electronic%20Device%20Casings%20Tech-to%20Tech%20Public%20Meeting.pdf?68NMytIKs813sccjfbXycXzqbKOrCAF8>
 - Docket: <https://www.regulations.gov/docket?D=CPSC-2015-0022>

2) Flame Retardants, Xinrong Chen

- a. CPSC conducted an updated risk assessment for TDCPP by incorporating the newly released NHANES HBM data and dust/indoor air data from a 2015 CPSC exposure contract report, the result will be presented at SOT 1890/ P274, Michael Babich, 3-12-2019, Tuesday, 3-4:30pm, Exposure Assessment and Biomonitoring.
- b. CPSC conducted an updated risk assessment for ATO in consumer product with newly released NTP data, the result will be presented at SOT, 2748/ P234, Xinrong Chen, 3-13-2019, Wednesday, 9:15-10:45am, Risk Assessment II.
- c. CPSC and EPA will resume the flame retardant meeting on a quarterly bases. CPSC representatives include Michael Babich, Kristina Hatlelid, Xinrong Chen, Adrienne Layton and EPA representatives include Eva Wong, Charles Bevington, Mark Mason, Xiaoyu Liu. Eva Wong is the EPA contact and Kristina Hatlelid is the CPSC contact for the FR meeting.

3) Phthalate substitute, Eric Hooker

- a. CPSC is collecting toxicology information for 16 o-DAP Substitutes by contracting with University of Cincinnati. Current status: 6 completed, 1 available soon, 9 available in late spring 2019.
- b. List of chemical see attached slides at the end of this document, [publicly released report](#) is available on line.

4) SPF, Adrienne Layton, Mark Mason, Xiaoyu Liu

- a. Adrienne Layton, CPSC, an interagency working group lead by EPA (Carol Hetfield, EPA/OPPT) was formed in 2009 since some home owners were experiencing illnesses caused by off gassing of Spray Polyurethane Foam (SPF). Other federal partners include CPSC (Trey Thomas), EPA/ORD (Mark Mason), NIOSH (Bob Stryker), NIST (Dustin Poppendick), and OSHA (Janet Carter).
- b. Mark Mason, ORD-NRMRL (Office of Research and Development, National Risk Management Research Laboratory), EPA is working with ASTM to develop a consensus full scale SPF chamber emission test protocol. Two pilot tests were conducted in the spring/summer of 2017 and a comprehensive full-scale emissions test that characterized isocyanate, flame retardant, VOC (volatile organic compounds), and aldehyde emissions, was conducted from late January into March of 2018. The third test characterized application and post-application emissions and deposition of flame retardants as well as emissions of flame retardants from chamber surfaces after removal of the sprayed substrates. The experiment was also designed to provide insight into the collection of gas-

phase flame retardant on residential HVAC (Heating, Ventilating, and Air Conditioning) filters. Mr. Mason is currently in the process of data analysis and reporting with a draft report expected in late spring to early summer of 2019. ORD will coordinate with Doug Parsons and Charles Bevington for OPPT review of the draft report.

- c. Xiaoyu Liu, ORD-NRMRL, ASTM has developed two standards related to SPF: ASTM D7859-19, "Standard Practice for Spraying, Sampling, Packaging, and Test Specimen Preparation of Spray Polyurethane Foam (SPF) Insulation for Testing of Emissions Using Environmental Chambers"; and ASTM D8142-17, "Standard Test Method for Determining Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation using Micro-Scale Environmental Test Chambers". Two more ASTM standards are still under development: one is for Measuring Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation Samples in a Large-Scale Spray Room; and the other one is for Conducting Emission and Fate Modeling for Spray Polyurethane Foam (SPF) Insulation in an Indoor Environment.

5) Prioritization and 3D printing, Treye Thomas

- a. CPSC is working on an internal document for the 3D printing project.
- b. CPSC has developed 4 different modeling tools for chemical hazard evaluation. The P2 is an agency level tool used by CPSC for project prioritization. Nano tool is a Nano exposure tool developed by contracting with DOD (department of defense). CPSC has published a research [paper for the Nano prioritization tool](#) for this project (Environ. Sci.: Nano, 2019, 6, 356-365). The general chemical hazard evaluation tool is based on the Nano tool and was also through contracting with DOD. Finally, the Engineered Nanoparticle Airborne Exposure Tool was developed by collaborating with NIST (<https://pages.nist.gov/CONTAM-apps/webapps/NanoParticleTool/index.htm>).

EPA Meeting minutes

1) Prioritization, Joel Wolf

EPA published a general [prioritization approach](#) on 9-27-2018. The first 40 chemicals (20 high priority, 20 low priority) selected for prioritization will be released in March 2019 for 90-day public comments, EPA will release the 40 prioritization final list in December 2019. Manufactures can request that their chemicals enter the EPA prioritization process by a different path called "Manufacturer-Requested Risk Evaluations".

2) Risk Evaluations, Eva Wong

The first top 10 chemical list was released in December 2016. The first 10 problem formulation documents were released in June 2018. The draft risk evaluation of pigment violet 29 was released in November 2018. The draft risk evaluation is available for public comment for 60 days, and will also undergo peer review by the Science Advisory Committee on Chemicals. The risk assessment report for the remaining 9 chemicals will be released following a similar mechanism. The final risk assessment reports for the first top 10 chemicals are due by December 2019.

3) PBTs under Section 6(h), Cindy Wheeler

PBTs are regulated under TSCA 6(h), which allows an expedited review procedure. EPA has been working on the PBTs for 2 years, and public input collection for the exposure and hazard information for the PBTs ended in August 2018. Currently, EPA is putting the final draft together; it will go through internal agency review and OMB review. The TSCA statutory deadline for the PBTs rulemaking is June 2019.

4) Methylene Chloride, Joel Wolf

EPA has finished the interagency review process for Methylene Chloride (DCM). Currently, the DCM final rule is under OMB review. There is a lot of back and forth, which led to some changes to the final rule. EPA has received 2 lawsuits over DCM delays.

5) Phthalates—Manufacturer Requested Risk Evaluation, Darlene Leonard

EPA received 2 Manufacturer-Requested Risk Evaluations, which include DINP and DIDP from ACC (American Chemistry Council). Currently, EPA is in the process of reviewing the completeness of the submissions, then public notification of receipt of the request will be sent out and meeting with sponsor will be scheduled. CPSC released a phthalate final rule in 2017 by using a cumulative risk assessment approach. DINP and DIDP are both included in the CPSC phthalate final rule.

Follow Up Items

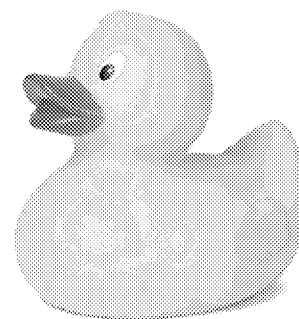
Kristina Hatlelid and Eva Wong will schedule the first flame retardant meeting for EPA and CPSC. Kristina Hatlelid plans to talk about the CPSC 9-27-2018 Tech-to-Tech public meeting.

Next CPSC EPA quarterly meeting

May 2019

Phthalate Substitutes

- Contract with University of Cincinnati
- Written toxicology assessments for 16 *o*-DAP Substitutes
 - Literature search
 - Physical-chemical properties
 - Manufacture and use
 - Toxicokinetics
 - Human and mammalian toxicity
 - Exposure and risk information
 - Data gaps
 - Toxicity determinations under FHSA



Phthalate Substitutes

Toxicology Assessments for 16 *o*-DAP Substitutes

Completed

Publicly available

- Acetyl tri-n-butyl citrate (ATBC)
- Di(2-ethylhexyl) adipate (DEHA)
- Diisononyl hexahydrophthalate (DINCH)
- Di(2-ethylhexyl) terephthalate (DEHT)
- Trioctyltrimellitate (TOTM)
- 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (TXIB)

Available soon

- Di-(2-Propylheptyl) Phthalate (DPHP)

In Progress

Available in late Spring 2019

- Tributyl citrate (TBC)
- Dibutyl and diisobutyl adipate (DBA, DiBA)
- Diisononyl adipate (DINA)
- Di(2-ethylhexyl) sebacate (DEHS)
- Dibutyl sebacate (DBS)
- Eastman 168
- Phenyl esters of C10-C18 alkylsulfonic acids
- Epoxidized soy bean oil
- Soft-n-safe - 12-(Acetoxy)-stearic acid, 2,3-bis(acetoxy)propyl ester (84%), octadecanoic acid, 2,3-bis(acetoxy)propyl ester (COMGHA)

<https://www.cpsc.gov/Research--Statistics/Technical-Reports>